

5 A REACTOR SYSTEM AND PROCESS FOR THE
 MANUFACTURE OF ETHYLENE OXIDE

ABSTRACT OF THE INVENTION

10 A reactor system for the oxidation of ethylene to
 ethylene oxide. The reactor system includes a reactor
 tube that contains a packed bed of shaped support
 material that can include a catalytic component. The
 shaped support material has a hollow cylinder geometric
 configuration. The reactor system has specific
15 combinations of reactor tube and catalyst system
 geometries.